

FILE 'USPAT' ENTERED AT 11:17:59 ON 07 MAY 1997

```
=> s (bidirection## or bi(2a)direction##)
      21944 BIDIRECTION##
      47633 BI
      103822 BIS
      147356 BI
          (BI OR BIS)
      1022702 DIRECTION##
      12438 BI(2A)DIRECTION##
L1      31815 (BIDIRECTION## OR BI(2A)DIRECTION##)

=> s l1(2a)interface
      176553 INTERFACE
      43250 INTERFACES
      188677 INTERFACE
          (INTERFACE OR INTERFACES)
L2      770 L1(2A)INTERFACE

=> s centronic# or bi(2a)centronic# or bicentronic# or bicentro or bi(2a)centro
      389 CENTRONIC#
      47633 BI
      103822 BIS
      147356 BI
          (BI OR BIS)
      389 CENTRONIC#
      6 BI(2A)CENTRONIC#
      0 BICENTRONIC#
      1 BICENTRO
      47633 BI
      103822 BIS
      147356 BI
          (BI OR BIS)
      151 CENTRO
      0 BI(2A)CENTRO
L3      390 CENTRONIC# OR BI(2A)CENTRONIC# OR BICENTRONIC# OR BICENTRO OR
          BI(2A)CENTRO

=> d his

(FILE 'USPAT' ENTERED AT 11:17:59 ON 07 MAY 1997)

      SET PAGE SCROLL
L1      31815 S (BIDIRECTION## OR BI(2A)DIRECTION##)
L2      770 S L1(2A)INTERFACE
L3      390 S CENTRONIC# OR BI(2A)CENTRONIC# OR BICENTRONIC# OR BICENTRO

=> s l2 and l3
L4      29 L2 AND L3

=> s l4 and bus and printer
      78683 BUS
      20619 BUSES
      7109 BUSSES
      84116 BUS
          (BUS OR BUSES OR BUSSES)
      56777 PRINTER
      22502 PRINTERS
```

63201 PRINTER

(PRINTER OR PRINTERS)

L5 21 L4 AND BUS AND PRINTER

=> d 15,1-21

✓ 1. 5,619,659, Apr. 8, 1997, System for extending ISA bus without using dedicated device driver software by using E.sup.2 P.sup.2 interface which provides multiplexed bus signal through standard parallel port connector; Dan Kikinis, et al., 395/281; 364/238, 239, 240.1, 240.4, DIG.1; 395/500, 821, 825, 882, 883 [IMAGE AVAILABLE]

✓ 2. 5,613,096, Mar. 18, 1997, Network protocol sensor; Daniel A. Danknick, 395/500, 651, 831 [IMAGE AVAILABLE]

✓ 3. 5,606,671, Feb. 25, 1997, Serial port using non-maskable interrupt terminal of a microprocessor; Robert D. Wadsworth, et al., 395/286, 735, 891 [IMAGE AVAILABLE]

✓ 4. 5,581,669, Dec. 3, 1996, System and method for peripheral data transfer; David W. Voth, 395/113 [IMAGE AVAILABLE]

✓ 5. 5,570,201, Oct. 29, 1996, Data controlling apparatus; Masayuki Yokota, 358/404; 347/5; 358/400, 442, 444, 468 [IMAGE AVAILABLE]

6. 5,557,783, Sep. 17, 1996, Arbitration device for arbitrating access requests from first and second processors having different first and second clocks; Osman O. Oktay, et al., 395/552; 364/228.1, 242.91, 270.4, 271.5, DIG.1; 395/477, 495 [IMAGE AVAILABLE]

7. 5,548,728, Aug. 20, 1996, System for reducing bus contention using counter of outstanding acknowledgement in sending processor and issuing of acknowledgement signal by receiving processor to indicate available space in shared memory; Daniel A. Danknick, 395/200.14; 364/228.1, 230.2, 239.6, 242.92, 243.41, 251.1, 251.3, 259.2, 941.1, 942.7, 963.5, DIG.1, DIG.2; 395/200.08, 445, 474, 479, 480, 733, 741 [IMAGE AVAILABLE]

8. 5,532,844, Jul. 2, 1996, Image data transferring system and method; Yuichi Kagami, et al., 358/468, 442, 444; 364/238.2, 238.3, DIG.1; 395/821 [IMAGE AVAILABLE]

9. 5,507,003, Apr. 9, 1996, Parallel interface protocol for bidirectional communications between computer and printer using status lines for transmitting data during a reverse channel operation; Jeff D. Pipkins, 395/851; 364/235, 235.7, 260.1, 265.1, 930, 935.3, DIG.1, DIG.2; 395/823 [IMAGE AVAILABLE]

10. 5,504,929, Apr. 2, 1996, Method and apparatus for encoding byte sequence for self-clocked high speed data transfer from a parallel port; Stuart R. Blair, et al., 395/885; 341/95; 364/239.3, 239.4, DIG.1; 375/359 [IMAGE AVAILABLE]

11. 5,461,701, Oct. 24, 1995, System and method for peripheral data transfer; David W. Voth, 395/101 [IMAGE AVAILABLE]

12. 5,457,785, Oct. 10, 1995, CPU-independent and device-driver transparent system for translating a computer's internal bus signals onto an intermediate bus and further translating onto an expansion bus; Dan Kikinis, et al., 395/308; 364/238, 238.3, 240, 260.3, DIG.1; 395/284, 500,

883, 886 [IMAGE AVAILABLE]

13. 5,425,135, Jun. 13, 1995, Parallel interface for printer; Tetsuro Motoyama, et al., 395/114, 101 [IMAGE AVAILABLE]

14. 5,349,647, Sep. 20, 1994, Input/output coprocessor for printing machine; Joseph A. Freiburg, et al., 395/115, 116, 502, 526 [IMAGE AVAILABLE]

15. 5,307,458, Apr. 26, 1994, Input/output coprocessor for printing machine; Joseph A. Freiburg, et al., 395/503; 345/201; 395/115, 511 [IMAGE AVAILABLE]

16. 5,276,799, Jan. 4, 1994, Expandable electronic subsystem for a printing machine; Isaak Rivshin, 395/502; 358/296; 395/114 [IMAGE AVAILABLE]

17. 5,239,627, Aug. 24, 1993, Bi-directional parallel printer interface; James L. Beck, et al., 395/892 [IMAGE AVAILABLE]

18. 5,220,659, Jun. 15, 1993, System for matching data recovery time between different devices by extending a cycle upon detecting end of cycle; Ronald J. Larson, et al., 395/500; 364/926.9, 926.91, 927.92, 927.93, 927.94, 927.95, 928, 933, 940, 941, 942, 942.8, 949, 949.1, 950, 950.2, 950.4, 950.5, 952, 952.1, DIG.2; 395/287, 309, 557, 800 [IMAGE AVAILABLE]

19. 5,218,458, Jun. 8, 1993, ASCII to ASCII transfer using FAX protocol; Richard L. Kochis, et al., 358/448 [IMAGE AVAILABLE]

20. 5,020,135, May 28, 1991, Computerized multistandard, field-convertible, multiregional/multiservice, remote controllable, remote programmable mobile two-way radio system with digital serial bus link, built-in programmer and autodiagnostics; Kaspar Kasparian, et al., 455/76; 370/277; 455/77 [IMAGE AVAILABLE]

21. 4,989,163, Jan. 29, 1991, Photo printer having a host computer assist function and method of controlling the same; Yoshio Kawamata, et al., 395/106; 346/33R; 395/112 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 11:17:59 ON 07 MAY 1997)

SET PAGE SCROLL
L1 31815 S (BIDIRECTION## OR BI(2A)DIRECTION##)
L2 770 S L1(2A) INTERFACE
L3 390 S CENTRONIC# OR BI(2A)CENTRONIC# OR BICENTRONIC# OR BICENTRO
L4 29 S L2 AND L3
L5 21 S L4 AND BUS AND PRINTER

=> s l2 and bus adn printer adn scanner
SEARCH ENDED BY USER

=> s l2 and bus and printer aND scanner3
78683 BUS
20619 BUSES
7109 BUSSES
84116 BUS
(BUS OR BUSES OR BUSSES)
56777 PRINTER
22502 PRINTERS
63201 PRINTER
(PRINTER OR PRINTERS)

memory; Tony K. Ip, et al., 395/430; 364/965.76, DIG.2; 395/113, 200.02, 309, 490 [IMAGE AVAILABLE]

11. 5,537,626, Jul. 16, 1996, Apparatus for coupling printer with LAN to control printer operation by transferring control parameters, printer

status data and printer configuration data between printer and LAN; Andrew J. Kraslavsky, et al., 395/828; 364/235, 284.4, 930, DIG.1, DIG.2; 395/200.02, 800, 835, 839 [IMAGE AVAILABLE]

12. 5,537,550, Jul. 16, 1996, Interactive network board for logging peripheral statistics with logging level commands; William C. Russell, et al., 395/200.11; 364/264.4, 264.6, 944.9, DIG.1, DIG.2; 395/184.01, 200.2, 835 [IMAGE AVAILABLE]

13. 5,532,844, Jul. 2, 1996, Image data transferring system and method; Yuichi Kagami, et al., 358/468, 442, 444; 364/238.2, 238.3, DIG.1; 395/821 [IMAGE AVAILABLE]

14. 5,530,862, Jun. 25, 1996, In an interactive network board, method and apparatus for loading independently executable modules in prom; Robert D. Wadsworth, et al., 395/651; 364/244.6, 280.2, 281.9, DIG.1 [IMAGE AVAILABLE]

15. 5,504,873, Apr. 2, 1996, Mass data storage and retrieval system; Charles W. Martin, et al., 395/438; 364/236.6, 238.4, 241.9, DIG.1; 369/34; 395/488 [IMAGE AVAILABLE]

16. 5,438,528, Aug. 1, 1995, Method and apparatus for testing an interactive network board in a local area network (LAN); H. Brad Emerson, et al., 364/580, 481, 514B; 370/241, 245; 371/20.1; 395/185.09 [IMAGE AVAILABLE]

17. 5,425,135, Jun. 13, 1995, Parallel interface for printer; Tetsuro Motoyama, et al., 395/114, 101 [IMAGE AVAILABLE]

18. 5,420,408, May 30, 1995, Reagent bottle identification method; Bruce Weyrauch, et al., 235/454 [IMAGE AVAILABLE]

19. 5,412,791, May 2, 1995, Mass data storage library; Charles W. Martin, et al., 395/441; 364/230.6, 236.6, 238.4, 241.9, DIG.1; 369/34 [IMAGE AVAILABLE]

20. 5,394,515, Feb. 28, 1995, Page printer controller including a single chip superscalar microprocessor with graphics functional units; Derek J. Lentz, et al., 395/115, 502, 519, 520 [IMAGE AVAILABLE]

21. 5,387,941, Feb. 7, 1995, Data with video transmitter; Gerald D. Montgomery, et al., 348/473, 486, 488, 549 [IMAGE AVAILABLE]

22. 5,371,873, Dec. 6, 1994, Image data processing terminal equipment coupled to an external device allowing independent use of memory area by the external device; Yuichi Niwa, 395/840; 364/235, 246, 246.3, 256.4, DIG.1; 395/101, 800, 842 [IMAGE AVAILABLE]

23. 5,357,095, Oct. 18, 1994, Reagent bottle identification and reagent monitoring system for a chemical analyzer; Bruce Weyrauch, et al., 235/494, 375 [IMAGE AVAILABLE]

24. 5,349,647, Sep. 20, 1994, Input/output coprocessor for printing machine; Joseph A. Freiburg, et al., 395/115, 116, 502, 526 [IMAGE AVAILABLE]

25. 5,335,170, Aug. 2, 1994, Modular system for inventory control; Alfred J.

Petteruti, et al., 395/228; 235/472 [IMAGE AVAILABLE]

26. 5,323,393, Jun. 21, 1994, Method and apparatus for obtaining and for controlling the status of a networked peripheral; Lorraine F. Barrett, et al., 370/449; 340/825.22 [IMAGE AVAILABLE]

27. 5,314,825, May 24, 1994, Chemical analyzer; Bruce Weyrauch, et al., 436/43; 356/246; 422/63, 64, 67; 436/45, 48, 49 [IMAGE AVAILABLE]

28. 5,307,458, Apr. 26, 1994, Input/output coprocessor for printing machine; Joseph A. Freiburg, et al., 395/503; 345/201; 395/115, 511 [IMAGE AVAILABLE]

29. 5,303,341, Apr. 12, 1994, Video processor for a printing apparatus; Isaak Rivshin, 395/526; 358/444; 395/101 [IMAGE AVAILABLE]

30. 5,276,799, Jan. 4, 1994, Expandable electronic subsystem for a printing machine; Isaak Rivshin, 395/502; 358/296; 395/114 [IMAGE AVAILABLE]

31. 5,270,211, Dec. 14, 1993, Sample tube entry port for a chemical analyzer; Norman Kelln, et al., 436/43; 73/863.23, 863.24, 864.83, 864.85, 864.86, 864.87; 422/63, 64, 100; 436/49, 54, 180 [IMAGE AVAILABLE]

32. 5,261,047, Nov. 9, 1993, Bus arbitration scheme for facilitating operation of a printing apparatus; Isaak Rivshin, 395/526; 358/296 [IMAGE AVAILABLE]

33. 5,250,440, Oct. 5, 1993, Cuvette delivery module and turntable for a chemical analyzer; Norman Kelln, et al., 436/48; 356/246; 422/58, 63, 64, 82.05, 82.09, 102, 104; 436/43, 45, 165 [IMAGE AVAILABLE]

34. 5,228,118, Jul. 13, 1993, Printing system wherein one of printer drivers through which print data is sent from a data processor to a printer is selected based on interpreters available on the printer; Ichiro Sasaki, 395/112, 114 [IMAGE AVAILABLE]

35. 5,218,458, Jun. 8, 1993, ASCII to ASCII transfer using FAX protocol; Richard L. Kochis, et al., 358/448 [IMAGE AVAILABLE]

36. 5,214,768, May 25, 1993, Mass data storage library; Charles W. Martin, et al., 395/441; 364/230.6, 236.2, 236.3, 236.6, 238.3, 238.4, 239, 239.1, 239.7, 239.9, 241.9, 242.4, 242.94, 242.95, 242.96, 243, 244, 244.6, 248.1, 249.4, 254, 254.3, 259, 259.2, 260, 263, 264, 264.6, 265, 266.6, 267, 268, 268.9, 271, DIG.1; 369/34; 395/440 [IMAGE AVAILABLE]

37. 5,185,866, Feb. 9, 1993, Dual mode communication among plurality of processors using three distinct data channels each having different function and operations; Robert Francisco, 395/280; 364/222.6, 225, 227.3, 229, 229.2, 229.3, 230.4, 240, 240.2, 240.8, 240.9, 241.9, 244, 244.6, 260, 260.2, 264, 264.5, 265, 280, 280.2, 474.11, 917.5, 917.9, 927.92, 927.93, 927.95, 927.98, 931.4, 931.44, 935, 935.2, 935.4, 935.45, 935.51, 940.81, 942.4, 965, 965.76, 975.2, DIG.1, DIG.2; 395/182.02 [IMAGE AVAILABLE]

38. 5,182,798, Jan. 26, 1993, Multiple material processing system start-up; Robert Francisco, 395/200.1; 364/229.3, 231, 234, 235, 237.2, 237.82, 237.83, 239, 240, 240.8, 240.9, 241.1, 244, 244.6, 252, 254, 254.5, 254.6, 265, 270.5, 280.2, 917.5, 917.9, 927.92, 927.93, 927.95, 931.4, 931.44, 935, 935.2, 935.4, 935.45, 935.51, 940.81, 965, 965.76, 975.2, DIG.1, DIG.2 [IMAGE AVAILABLE]

39. 5,146,587, Sep. 8, 1992, System with simultaneous storage of

multilingual error messages in plural loop connected processors for transmission automatic translation and message display; Robert Francisco, 395/185.1; 364/222.6, 222.7, 229, 229.3, 232.7, 237.2, 241.9, 264, 264.1, 284.3, 285, 286.1, DIG.1 [IMAGE AVAILABLE]

40. 5,113,494, May 12, 1992, High speed raster image processor particularly suited for use in an image management system; Juan G. Menendez, et al., 395/502; 364/231.8, 948.34; 395/501 [IMAGE AVAILABLE]

41. 5,113,455, May 12, 1992, Digital image scaling by stepwise pixel movement; Kevin C. Scott, 382/298; 358/451 [IMAGE AVAILABLE]

42. 5,097,518, Mar. 17, 1992, Technique for performing digital image scaling by logically combining or replicating pixels in blocks of differing groupsizes; Kevin C. Scott, et al., 382/298; 358/428, 451; 382/232 [IMAGE AVAILABLE]

43. 5,021,892, Jun. 4, 1991, Image processing device of multifunctional type; Toshiro Kita, et al., 358/468, 444, 448 [IMAGE AVAILABLE]

44. 5,003,485, Mar. 26, 1991, Asynchronous, peer to peer, multiple module control and communication protocol; Robert Francisco, 364/478.09; 53/540; 270/52.02; 271/3.01; 364/132 [IMAGE AVAILABLE]

45. 4,992,950, Feb. 12, 1991, Multiple processing station message communication; Robert Francisco, 364/478.01, 132, 138, 478.08, 478.11 [IMAGE AVAILABLE]

46. 4,989,163, Jan. 29, 1991, Photo printer having a host computer assist function and method of controlling the same; Yoshio Kawamata, et al., 395/106; 346/33R; 395/112 [IMAGE AVAILABLE]

47. 4,970,654, Nov. 13, 1990, Asynchronous queuing and collation passage in an inserter; Robert Francisco, 364/478.11; 53/540; 270/58.23; 271/3.01; 364/132, 138 [IMAGE AVAILABLE]

48. 4,962,623, Oct. 16, 1990, Asynchronous rejection in an inserter; Robert Francisco, 53/54, 168, 284.3, 494 [IMAGE AVAILABLE]

49. 4,942,535, Jul. 17, 1990, Collation record generation and control; Robert Francisco, 364/478.11; 53/540; 270/58.01; 271/3.01; 364/132, 133, 138 [IMAGE AVAILABLE]

50. 4,910,607, Mar. 20, 1990, Image processing device of multifunctional type; Toshiro Kita, et al., 358/400, 448 [IMAGE AVAILABLE]

51. 4,748,618, May 31, 1988, Telecommunications interface; Earl F. Brown, et al., 370/419; 348/17; 370/466; 379/202 [IMAGE AVAILABLE]

52. 4,569,421, Feb. 11, 1986, Restaurant or retail vending facility; Gary O. Sandstedt, 186/39; 235/383; 341/22; 395/215 [IMAGE AVAILABLE]

53. 4,437,156, Mar. 13, 1984, Programmable calculator; Chris J. Christopher, et al., 364/709.09, 225.6, 225.8, 228.6, 231.9, 232.4, 232.7, 232.8, 232.9, 232.91, 234, 234.1, 234.2, 234.3, 235, 235.7, 236, 236.3, 236.4, 236.5, 236.6, 237, 237.2, 237.4, 237.5, 237.7, 238.3, 238.6, 238.7, 239, 239.3, 239.4, 239.6, 239.7, 240.1, 241.1, 241.2, 241.4, 241.5, 242.2, 242.3, 242.31, 243, 243.3, 244, 244.3, 244.6, 245, 245.31, 246, 246.3, 247, 247.1, 247.7, 248.2, 251, 251.3, 252, 252.2, 252.3, 252.6, 254, 254.3, 254.5, 254.8, 255.2, 255.5, 256, 258, 258.1, 258.3, 258.4, 259, 259.1, 259.4, 259.5, 259.6, 260.4,

260.8, 261.3, 261.4, 261.5, 261.9, 262.4, 262.8, 263, 265, 265.2, 265.4,
265.6, 267, 267.91, 270, 270.3, 270.5, 270.8, 271.6, 271.7, 280, DIG.1 [IMAGE
AVAILABLE]

54. 4,415,065, Nov. 15, 1983, Restaurant or retail vending facility; Gary O.
Sandstedt, 395/234; 186/39; 235/383; 340/825.35, 825.44; 341/22; 395/215
[IMAGE AVAILABLE]

55. RE 31,182, Mar. 15, 1983, Packet-switched data communication system;
William C. Crager, et al., 178/3; 340/825.5; 370/389, 428 [IMAGE AVAILABLE]

56. 4,075,679, Feb. 21, 1978, Programmable calculator; Chris J. Christopher,
et al., 364/706; 341/22; 364/926, 926.1, 926.5, 927, 927.2, 927.5, 927.8,
928, 928.1, 928.2, 928.5, 929.2, 929.3, 929.4, 930, 930.7, 932, 932.6, 932.7,
933, 933.1, 933.2, 933.5, 933.6, 934, 934.2, 935, 935.2, 935.4, 936, 937,
937.1, 937.2, 937.3, 937.4, 937.6, 938, 939, 939.3, 939.4, 940, 940.1, 940.2,
940.4, 941, 941.3, 941.4, 943, 943.1, 943.9, 945.5, 945.6, 946.2, 946.6, 947,
947.1, 947.2, 947.6, 948.1, 948.4, 949, 950, 950.2, 952, 952.1, 952.4, 952.5,
952.6, 953, 954, 954.2, 955, 955.3, 956.4, 956.5, 957, 957.1, 957.6, 958,
958.2, 959.1, 960, 960.2, 960.6, 964, 964.3, 964.6, 965, 965.4, 965.5, 967,
967.2, DIG.2 [IMAGE AVAILABLE]

57. 4,058,838, Nov. 15, 1977, Packet-switched facsimile communications
system; William C. Crager, et al., 358/425; 178/3; 370/400, 428, 473 [IMAGE
AVAILABLE]

58. 4,058,672, Nov. 15, 1977, Packet-switched data communications system;
William C. Crager, et al., 370/394; 358/407, 435, 476; 370/428, 466, 473, 474
[IMAGE AVAILABLE]

=> s 18 and (color or colour)
204031 COLOR
62138 COLORS
214665 COLOR
(COLOR OR COLORS)
24966 COLOUR
4735 COLOURS
26316 COLOUR
(COLOUR OR COLOURS)
L9 9 L8 AND (COLOR OR COLOUR)

=> s (color or colour)
204031 COLOR
62138 COLORS
214665 COLOR
(COLOR OR COLORS)
24966 COLOUR
4735 COLOURS
26316 COLOUR
(COLOUR OR COLOURS)
L10 231332 (COLOR OR COLOUR)

=> s l10(3a)balance3
0 BALANCE3
L11 0 L10(3A)BALANCE3

=> S L10(3A)BALANCE#
218971 BALANCE#
L12 3365 L10(3A)BALANCE#

=> D HIS

(FILE 'USPAT' ENTERED AT 11:17:59 ON 07 MAY 1997)

SET PAGE SCROLL
L1 31815 S (BIDIRECTION## OR BI(2A)DIRECTION##)
L2 770 S L1(2A) INTERFACE
L3 390 S CENTRONIC# OR BI(2A)CENTRONIC# OR BICENTRONIC# OR BICENTRO
L4 29 S L2 AND L3
L5 21 S L4 AND BUS AND PRINTER
L6 0 S L2 AND BUS AND PRINTER AND SCANNER3
L7 58 S L2 AND BUS AND PRINTER AND SCANNER#
L8 58 S L7 AND CONTROL###
L9 9 S L8 AND (COLOR OR COLOUR)
L10 231332 S (COLOR OR COLOUR)
L11 0 S L10(3A)BALANCE3
L12 3365 S L10(3A)BALANCE#

=> S L12 AND L8

L13 0 L12 AND L8

=> D L9 1-9

1. 5,587,743, Dec. 24, 1996, Signal processors for transparent and simultaneous transmission and reception of a data signal in a video signal; Gerald D. Montgomery, et al., 348/473, 12, 486 [IMAGE AVAILABLE]

2. 5,572,247, Nov. 5, 1996, Processor for receiving data from a video signal; Gerald D. Montgomery, et al., 348/10, 12, 473 [IMAGE AVAILABLE]

3. 5,532,844, Jul. 2, 1996, Image data transferring system and method; Yuichi Kagami, et al., 358/468, 442, 444; 364/238.2, 238.3, DIG.1; 395/821 [IMAGE AVAILABLE]

4. 5,394,515, Feb. 28, 1995, Page printer controller including a single chip superscalar microprocessor with graphics functional units; Derek J. Lentz, et al., 395/115, 502, 519, 520 [IMAGE AVAILABLE]

5. 5,387,941, Feb. 7, 1995, Data with video transmitter; Gerald D. Montgomery, et al., 348/473, 486, 488, 549 [IMAGE AVAILABLE]

6. 5,113,494, May 12, 1992, High speed raster image processor particularly suited for use in an image management system; Juan G. Menendez, et al., 395/502; 364/231.8, 948.34; 395/501 [IMAGE AVAILABLE]

7. 5,113,455, May 12, 1992, Digital image scaling by stepwise pixel movement; Kevin C. Scott, 382/298; 358/451 [IMAGE AVAILABLE]

8. 5,097,518, Mar. 17, 1992, Technique for performing digital image scaling by logically combining or replicating pixels in blocks of differing groupsizes; Kevin C. Scott, et al., 382/298; 358/428, 451; 382/232 [IMAGE AVAILABLE]

9. 4,748,618, May 31, 1988, Telecommunications interface; Earl F. Brown, et al., 370/419; 348/17; 370/466; 379/202 [IMAGE AVAILABLE]

=>

```
*****
*** User ID:          d26fmew
*** User Name:        MARK E. WALLERSON
*** User Phone:       0003058581
*** Workstation Id:   WSHBUEUC
*** Printer Id:       weucptr
*** Date:             Wed May  7 1997
*** Time:              11:37:58
*** Job #              0189
```

File Edit Settings Options Window

Help

Status:

Open...

New

Save

Close Collection

Print...

Disp. Settings

Preferences...

Break

Exit

Enter Search/Print Criteria:
(Any Combination of Patent Numbers,
Class/Subclass, and Document Collection Names)

5619659
5606671
5581669
5570201
~~5570201~~
5461701
5457785
54228138
5349647
5276799
5239627
5218458
4989163

Sources:

[^ United States (US)]
[✓ Training (TR)]

Display Settings:

Reference Type: All (Original and Cross Reference)

Overall Order: Separate Subclasses

Date Range: All Dates

Date Order: Newest-to-Oldest

Duplicates: Hide

Sections:

[A] All

View by Flag:

[U] Unreviewed

List

Browse

L6 0 SCANNER3
L6 0 L2 AND BUS AND PRINTER AND SCANNER3

=> s 12 and bus and printer aND scanner#
 78683 BUS
 20619 BUSES
 7109 BUSSES
 84116 BUS
 (BUS OR BUSES OR BUSSES)
 56777 PRINTER
 22502 PRINTERS
 63201 PRINTER
 (PRINTER OR PRINTERS)
30109 SCANNER#

L7 58 L2 AND BUS AND PRINTER AND SCANNER#

=> s 17 and control
SEARCH ENDED BY USER

=> s 17 and control###
 1147411 CONTROL###
L8 58 L7 AND CONTROL###

=> d 17 1-58

1. 5,623,604, Apr. 22, 1997, Method and apparatus for remotely altering programmable firmware stored in an interactive network board coupled to a network peripheral; William C. Russell, et al., 395/200.1; 364/276.3, 280.3, 281.9, 962.1, DIG.1, DIG.2; 395/183.14, 200.07, 430 [IMAGE AVAILABLE]

2. 5,619,722, Apr. 8, 1997, Addressable communication port expander; Rodger T. Lovrenich, 395/822; 364/238, 241.9, DIG.1; 395/281, 500 [IMAGE AVAILABLE]

3. 5,613,160, Mar. 18, 1997, In an interactive network board, method and apparatus for placing a network peripheral in a default configuration; Andrew J. Kraslavsky, et al., 395/836, 114, 117, 200.02, 200.11, 828, 835, 839 [IMAGE AVAILABLE]

4. 5,611,046, Mar. 11, 1997, Method and apparatus for interfacing a peripheral to a local area network; William C. Russell, et al., 395/200.1; 364/DIG.1; 395/828 [IMAGE AVAILABLE]

5. 5,587,743, Dec. 24, 1996, Signal processors for transparent and simultaneous transmission and reception of a data signal in a video signal; Gerald D. Montgomery, et al., 348/473, 12, 486 [IMAGE AVAILABLE]

6. 5,581,501, Dec. 3, 1996, Nonvolatile SRAM cells and cell arrays; James D. Sansbury, et al., 365/185.01, 94, 104, 154, 185.33 [IMAGE AVAILABLE]

7. 5,572,247, Nov. 5, 1996, Processor for receiving data from a video signal; Gerald D. Montgomery, et al., 348/10, 12, 473 [IMAGE AVAILABLE]

8. 5,569,899, Oct. 29, 1996, On-line bar code verification system; Jack Tedesco, 235/462, 432 [IMAGE AVAILABLE]

9. 5,568,612, Oct. 22, 1996, Method and apparatus for advertising services of two network servers from a single network node; Lorraine F. Barrett, et al., 395/200.01; 364/DIG.1, DIG.2; 395/800 [IMAGE AVAILABLE]

10. 5,550,997, Aug. 27, 1996, In an interactive network board, a method and apparatus for preventing inadvertent loading of a programmable read only